



PATENT  
ATTORNEY DOCKET NO.: 056921-5137

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Patent Application of:  
DAVIS et al.

Application No.: 09/869,925  
Filed: July 9, 2001  
FOR: COLCHINOL DERIVATIVES AS  
VASCULAR DAMAGING AGENTS

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) Group Art Unit: 1653  
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) Examiner: Lukton, David  
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Commissioner for Patents  
U.S. Patent and Trademark Office  
2011 South Clark Place  
Customer Window  
Crystal Plaza Two, Lobby, Room 1B03  
Arlington, VA 22202

Date: September 8, 2003

Sir:

**INFORMATION DISCLOSURE STATEMENT**

**Citation of Related U.S. Patent Applications**

The Examiner's attention is directed to the following related co-pending U.S. patent applications:

Examiner's Initials	Inventor	U.S. Serial No.	U.S. Filing Date	PCT Publication No.	PCT Publication Date
	Davis et al.	09/869,925	08/23/2001	WO 00/40529	July 13, 2000
	Dougherty	09/477,805 USP 6,423,753	01/05/2000	WO 99/02166	Jan. 21, 1999
	Arnould et al.	10/332,129	01/06/03	WO 02/04434	Jan. 17, 2002
	Arnould	10/332,271	01/07/2003	WO 02/08213	Jan. 31, 2002

A copy of the specification and claims for each application, either in the form of a U.S. patent issued on that application and/or the published PCT application from which such application was filed, has previously been provided or is being filed herewith.

**PLEASE DO NOT PRINT** the above information on the patent resulting from the subject application.

Consideration of each listed application is earnestly solicited since unpublished patent applications are contemplated as IDS material; see the exception in Rule 98(a)(2)(iii) and note the penultimate sentence of MPEP 609.

Further, in keeping with MPEP 609, Subsec. C(2), 2nd para., line 10 to end of the paragraph (especially note lines 18-25) PLEASE RETURN A COPY OF THIS LETTER with the Examiner's initials adjacent each above listing so that applicant will know that each listed application has been considered as required by PTO policy.

#### **Citation of Documents**

Attached is a Form PTO-1449 listing the enclosed documents.

The present Information Disclosure Statement is being filed before the mailing date of the first Office Action on the merits, and therefore no certification under 37 CFR §1.97(e) or fee under 37 CFR §1.17(p) is required.

This Information Disclosure Statement is intended to be in full compliance with the rules, but should the Examiner find any part of its required content to have been omitted, prompt notice to that effect is earnestly solicited, along with additional time under Rule 97(f), to enable Applicant to fully comply.

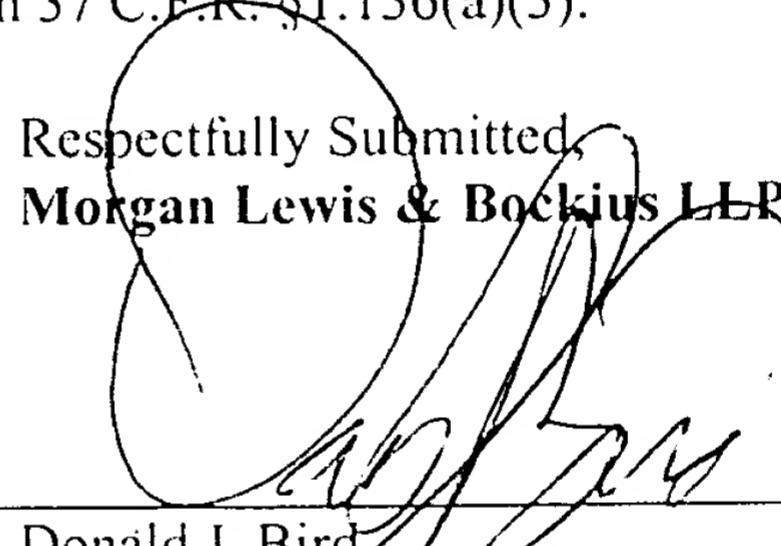
Consideration of the foregoing and enclosures plus the return of a copy of the herewith filed Form PTO-1449 with the Examiner's initials in the left column per MPEP 609 along with an early action on the merits of this application are earnestly solicited.

Except for issue fees payable under 37 C.F.R. §1.18, the Director is hereby authorized by this paper to charge any additional fees during the entire pendency of this application including fees due under 37 C.F.R. §§1.16 and 1.17 which may be required, including any required extension of time fees, or credit any overpayment to Deposit Account No. 50-0310. This paragraph is intended to be a **CONSTRUCTIVE PETITION FOR EXTENSION OF TIME** -in accordance with 37 C.F.R. §1.136(a)(3).

Date: September 8, 2003  
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FORM PTO-1449 (modified)  
To: U.S. Department of Commerce  
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056291-5137

Z70457-1P US

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Applicant: Davis et al.

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Examiner: Lukton, David Group Art Unit: 1653

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Examiner's Initials*	Document Number	Date MM/YYYY	Name (Family Name of First Inventor)	Class	Sub Class	Filing Date (if appropriate)
	AR 5,760,092	06/1998	Timashef et al.			
	BR 5,843,910	12/1999	Bombardelli et al.			
	CR 5,561,122	10/1996	Pettit			
	DR 6,423,753 B1	07/2002	Dougherty			

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					Enclosed	No	Enclose	No
	ER 4.685 M	01/1967	France	Roussel-Uclaf				
*	FR 97/47577	12/1997	WIPO	Bombardelli				
*	GR 99/02166	01/1999	WIPO	Dougherty				
	HR 00/48606 A1	08/2000	WIPO	Pero et al.				
	IR 39-19634	09/1964	Japan	Nakamura			X	
	JR 39-19635	09/1964	Japan	Nakamura			X	

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KR	Abu Zarga et al., "New Natural Dibenzocycloheptylamine Alkaloids": A Possible Catabolic Route for the Colchicine Alkaloids", <i>J. Nat. Prod.</i> , (1991), 54(4), 936-940		
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MR	Banwell et al., "Total Syntheses of the Structures Assigned to Salimine and Jerusalemine, Alkaloids from <i>Colchicum decaisnei</i> Boiss. (Liliaceae)", <i>J. Chem. Soc., Chem. Commun.</i> , (1994) (22) 2647-2649		
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PR	Boger et al., "Thermal Reactions of Cyclopropanone Ketals. Application of . . . Total Synthesis of Colchicine", <i>J. Am. Chem. Soc.</i> , (1986) (108 (21), 6713-6719		
QR	Boyé et al. "185. Deaminocolchanyl Methyl Ether: Synthesis from . . . Effects of Deaminocolchanyl Methyl Ether and Dehydro Analogs", <i>Helv. Chem. Acta</i> , (1989), 72 (8), 1690-1696		

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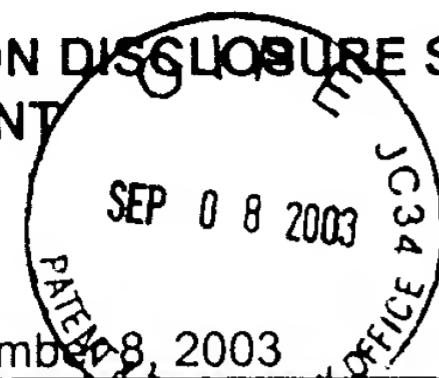
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AR	3,442,953	05/1969	Muller et al.			
BR	5,880,160	03/1999	Bombardelli et al.			
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ER	02/04434	01/2002	WIPO	Arnould et al.				
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OTHER (Including in this order Author, Title, Periodical Name, Date, Pertinent Pages, etc.)

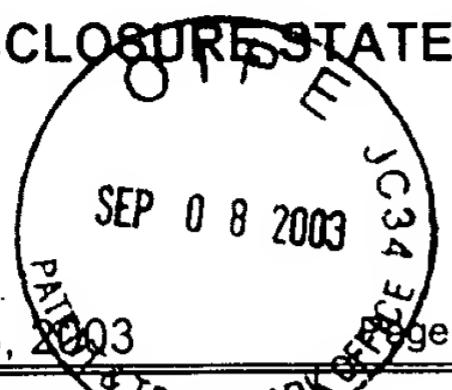
GR	Boyé et al. "Potential Covalent Markers of the Colchicine-Binding-Site . . . Isothiocyanato Groups", Med.Chem. Res., (1991), 1 (2), 142-150			
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IR	Boyé et al., "Synthesis of <sup>14</sup> C Labelled Electrophilic Ligands of the Colchicine . . . 9-Deoxy-N-Acetylcolchinol.", J. Labelled Compd Radiopharm., (1993) 33(4), 293-299			
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AR	6,080,739	06/2000	Bombardelli				
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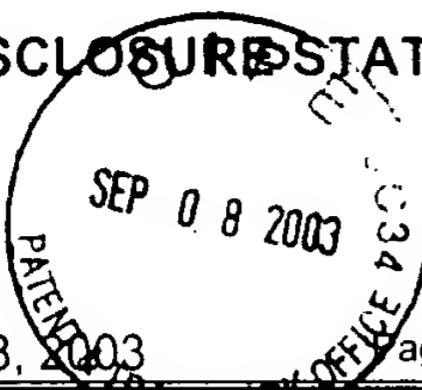
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JR		Hahn et al., "Synthesis and Evaluation of 2-Diazo-3,3,3-Trifluoropropanoyl... Photochemistry, and Tubulin Binding", Photochem. Photobiol., (1992) 55 (1), 17-27			
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OR		Iorio, "Contraction of the Tropolonic Ring of Colchicine by Hydrogen Peroxide Oxidation", Heterocycles, (1984), 22 (10), 2207-2211			

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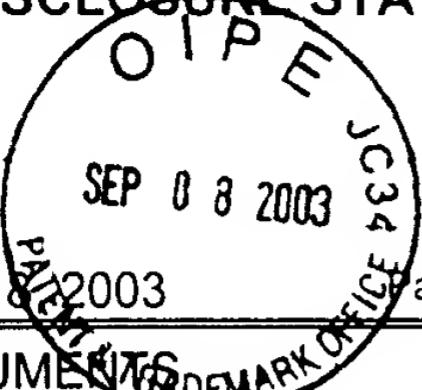


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	NR	Medrano, "Roles of Colchicine Rings B and C in the Binding Process to Tubulin", Biochemistry, (1989), 28 (13), 5589-5599						

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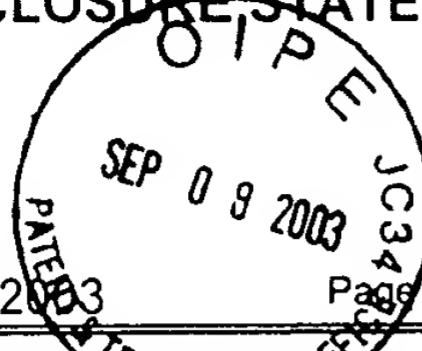
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HR	Prakash et al., "Aging of Tubulin at Neutral pH: Stabilization by Colchicine and its Analogues", Archives of Biochem & Biophysics (1992), 295 (1), 146-152			
IR	Pyles et al., "Role of the B-Ring Substituent in the Fluorescence of Colchicinoid-Tubulin and Allocolchicinoid-Tubulin Complexes", Biochemistry, (1992), 31 (31), 7086-93			
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HR	Staretz et al., "Synthesis, Photochemical Decomposition, and Tubulin Binding of 10-Azido-10-demethoxycolchicine and 9-Azido-9-demethoxyisocolchicine", J. Org. Chem., (1991) 56 (1), 428-432							
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## OTHER (Including in this order Author, Title, Periodical Name, Date, Pertinent Pages, etc.)

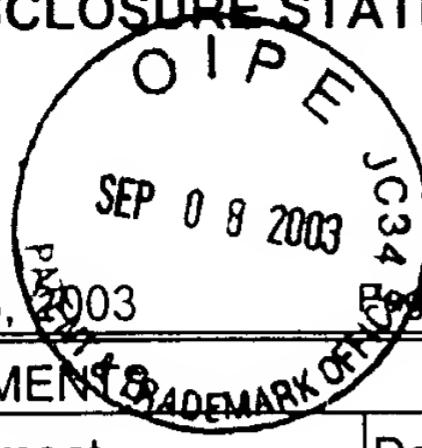
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			Filing Date: July 9, 2001	
Date: September 8, 2003			Examiner: Lukton, David	Group Art Unit: 1653
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U.S. PATENT DOCUMENTS								
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	DR								
	ER								
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	OR	Kang et al., "n-acetylcolcholin 0-methyl ether and thiocolchicine, potent nalog of colchicine modified in the C-ring" Journal of Biological Chemistry, Vol. 265, No. 18, June 25, 1990, pp. 10255-10259, XP002081868, ISSN: 0021-9258
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